REFERENCES

1. World Health Organization. February 2018. Retrieved 21 March 2018.
2. "Defining Cancer"National Cancer Institute. Retrieved 28 March 2018.
3. American Cancer Society. Retrieved 11 September 2013.
4. Jemal A, Bray F, Center MM, Ferlay J, Ward E, Forman D, "Global cancer statistics" 2011. Ca. 61 (2): 69–90.
5. Manton K, Akushevich I, Kravchenko J, Cancer Mortality and Morbidity Patterns in the U.S. Population: An Interdisciplinary Approach. Springer Science & Business Media 2008. ISBN 978-0-387-78193-8.
6. Islami F, Goding Sauer A, "Proportion and number of cancer cases and deaths attributable to potentially modifiable risk factors in the United States" 2018. Ca. 68 (1): 31–54.
7. Croce CM, "Oncogenes and cancer". The New England Journal of Medicine 2008. 358 (5): 502–11.
8. Baylin SB, Ohm JE. "Epigenetic gene silencing in cancer – a mechanism for early oncogenic pathway addiction?". Nature Reviews. Cancer 2006. 6 (2): 107–16.
9. Kanwal R, Gupta S. "Epigenetic modifications in cancer". Clinical Genetics 2012. 81 (4): 303–11.
10. Markus MacGill, What is depression and what can I do about it? Medical News today 2017.
11. M. S. El-Gaby, S. G. Abdel-Hamide and M. M. Gharab, Acta. Pharm., 49 (3), 149 (1999); Chem. Abstr, 132, 93278d, 2000.
12. O.A. Fathalla, I.F.Zeid, M.E.Haiba, A.M.Soliman, Sh.I.Abd-Elmoez, W.S. El-Serwy: Synthesis, Antibacterial and Anticancer Evaluation of Some Pyrimidine Derivatives: World J. Chemistry 2009. 4(2):127-132.
13. Yuga, M Naoki, O Kengo, T Terufumi, I Hidehisa, A Yoshiko, M Hiroshi, H Akira, K Keiji, I Shinichi, Bioorg. Med. Chem. 2010, 18 (20), 7260-7273.
14. Sridhar S, Rajendra Prasad Y and Dinda SC. Synthesis and Anticancer Activity of Some Novel Pyrimidine Derivatives: International J. Phar. Sci. 2011, 2562-2565.

15. Anshu Chaudhary, Pramod Kumar Sharma, PrabhakarVerma, RupeshDudhe: Synthesis of novel pyrimidine derivatives and its biological evaluation.AnaleleUniversitatii din Bucuresti 2011.20(2): 123-140.
16. C Frederick, B Philippe, J. Med. Chem. 2011, 54(9), 3426-3435.
17. M. M. Kandeel, Ashraf A. Mounir, Synthesis of Effective Anticancer Thieno [2,3-d] Pyrimidine-4-Ones and thieno [3,2-e]triazolo[4,3-c]pyrimidines, Int J Pharm Pharm Sci, Vol 4, Suppl 3, 438-448.
18. P.K. Singour, Ashish Khare, Hitesh Dewangan , R.S. Pawar: Synthesis and biological evaluation of novel pyrimidine derivatives as anti-inflammmatory agents. Journal of Pharmacy research 2012.5(9): 4853-4855.
19. Sonia D. Arikkatt, MeenaChandran,A.R.Bhatt,K.Krishnakumar: Synthesis and Molecular Docking Studies of Pyrimidine Derivatives: Journal of Pharmacy Research .2014. 93-97.
20. Monica Kachroo, Rakesh Panda, Yadavendra Yadav: Synthesis and biological activities of some new pyrimidine derivatives from chalcone. Der Pharma Chemica,2014.6(2): 352-359.
21. Mostafa M Ghorab, Mansour S Alsaid: Anticancer Activity of Some Novel Thieno [2,3-d] Pyrimidine Derivatives: Biomedical Research 2016. 27(1):110-115.
22. Meliha Burcu Gurdere et al., Synthesis and Invitro Anticancer Evaluation of 1,4-phenylene-bis-pyrimidine-2-amine Derivatives 2017. Turk. J. Chem.,41: 263-271.
23. Eswara Rao G, SrinivasaBabu P., Sai Koushik O., Sharmila R , Maruthi Kumar : Synthesis, characterization and biological evaluation of pyrimidines from chalcones. IJRSR 2016.7(4) :10238-10241.
24. Nermine A Osman et.al, : Synthesis of new pyrimidine derivatives and evaluation of their anticancer and antimicrobial activities. Asian J. Pharma Clin Res, 2016. 9(2): 306-313.
25. Abele, E.; Abele, R.; Dzenitis, O.; Lukevics, E. Chem Heterocycl Compd 2003, 39, 3.

26. Athina G, Eugeni B, John D, Design, synthesis, computational and biological evaluation of new anxiolytics, Bioorganic Medicinal Chemistry, 2004; 12:6559-68.
27. Kusanur RA, Ghate M, Kulkarni MV. Synthesis of spiro[indolo-1,5-benzodiazepines] from 3-acetyl coumarins for use as possible antianxiety agents, Journal of Chemical Sciences, 2004; 116(5):265–70.
28. Vellaisamy Sridharan, Microwave-Assisted, Solvent-Free Bischler Indole Synthesis, *SYNLETT* 2006, No. 1, pp 0091–0095 Advanced online publication: 16.12.2005
29. Panwar, H.; Verma, R. S.; Srivastava, V. K.; Kumar, A. Indian J Chem 2006, 45B, 2099.
30. Smitha S, Pandeya SN, Stables JP, Ganapathy S. Anticonvulsant and Sedative-Hypnotic Activities of N-Acetyl / Methyl Isatin Derivatives, Scientia Pharmaceutica, 2008; 76:621–36.
31. Kaur H, Kumar S, Kumar A. Synthesis, Antipsychotic and Anticonvulsant Activity of some new pyrazolinyl/isoxazolinylindol-2-ones, International Journal of Chem Tech Research, 2010; 2(2):1010-19.
32. Kirti Shrimali, Microwave Assisted Synthesis Of Some New Spiro-[Indole-Thiazolidine] Derivatives : A Green Chemical Pathway, Int. J. Chem. Sci.: 8(2), 2010, 809-816.
33. M. Asif khan, Microwave Assisted Synthesis Of Indole Derivatives, An Their Complexation Behaviour And Biological Studies, Orient. J. Chem., Vol. 28(2), 1061-1065 (2012).
34. Khan MSY, Dhar N, Husain A. Indole derivatives with anticonvulsant activity against two seizure models, Pharmacophore, 2012; 3(1):55-61.
35. Pravin O. Patil, Synthesis and Antidepressant Activity of Some New 5-(1*H*-Indol-3-yl)-3-(substituted aryl)-4,5-dihydroisoxazoline Derivatives, Journal of Chemistry Volume 2013, Article ID 637205, 7 pages.
36. Saravanan G, Alagarsamy V, Dineshkumar P. Anticonvulsant activity of novel 1-(morpholinomethyl)-3-substituted isatin derivatives, Bulletin of Faculty of Pharmacy, 2014; 52:115–24.

37. Xinghua Z, Zhou P, Shuilian Z, Synthesis, potential anticonvulsant and antidepressant effects of 2-(5-methyl-2, 3-dioxoindolin-1-yl)acetamide derivatives, Acta Pharmaceutica Sinica B, 2015; 5(4):343–349.
38. B.P. Yadav 1*, Iftakhar Ahmad, Synthesis of some novel indole derivatives aspotential antibacterial, antifungaland antimalarial agents, IOSR Journal Of Pharmacy, Volume 6, Issue 10Version. 3 (Oct 2016), PP. 27-33.
39. Mathew George, Lincy Joseph et al Synthesis, characterization and biological screening of novel indole derivatives for certain pharmacological activities, International Journal of Academic Research and Development, Volume 2; Issue 4; July 2017; Page No. 240-243.
40. Deweshri Rajendrakumar Kerzare, Synthesis, Characterization, Antidepressant Activity and Docking Studies of Some Novel Indole Bearing Azetidinone Derivatives, Indian Journal of Pharmaceutical Education and Research | Vol 52 | Issue 1 Jan-Mar, 2018.